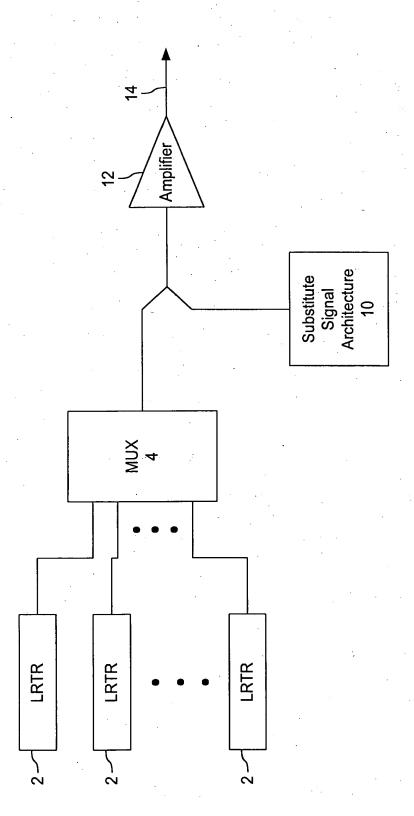
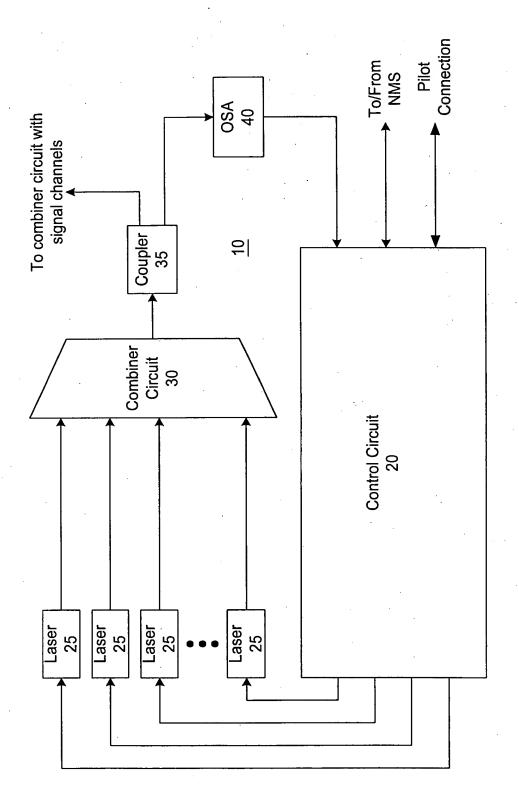


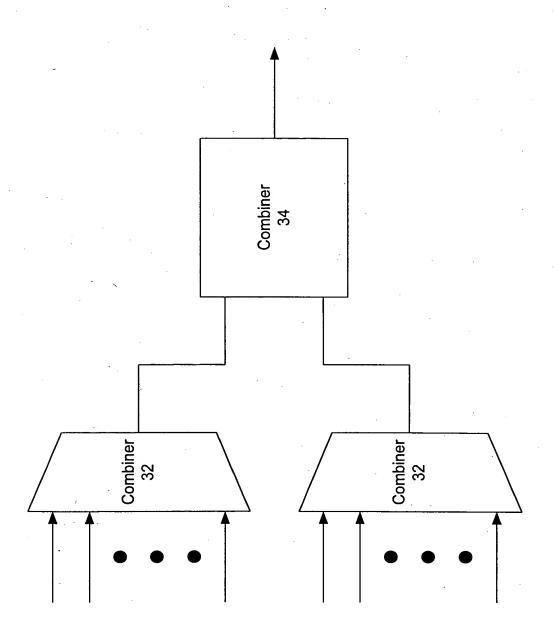
Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEMS Inventor(s): YU et al. DOCKET NO.: 033337-0125



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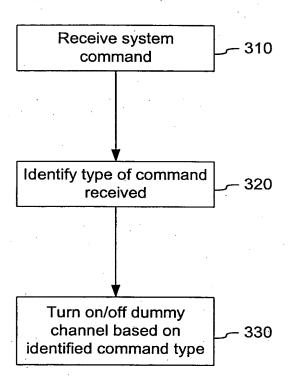


FIG. 3

Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEM Inventor(s): YU et al.

DOCKET NO.: 033337-0125

Measure wavlengths and power levels of signal 410 channels Determine any channel failure based on 420 measured power and wavelengths Identify the number of failed/unused channels in 430 the sub-band of the failed channel Turn on the dummy channel corresponding to the sub-band Adjust the power of the dummy channel based on the number of failed/ 450 unused channels in the sub-band

FIG. 4

Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEM Inventor(s): YU et al.

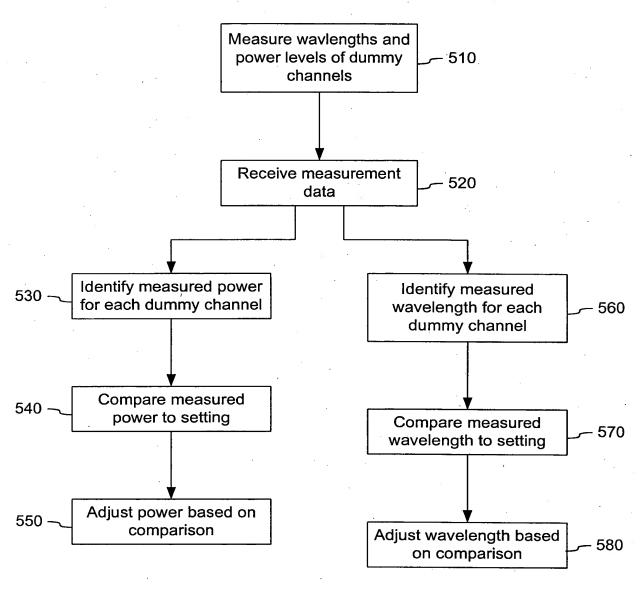
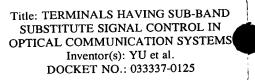
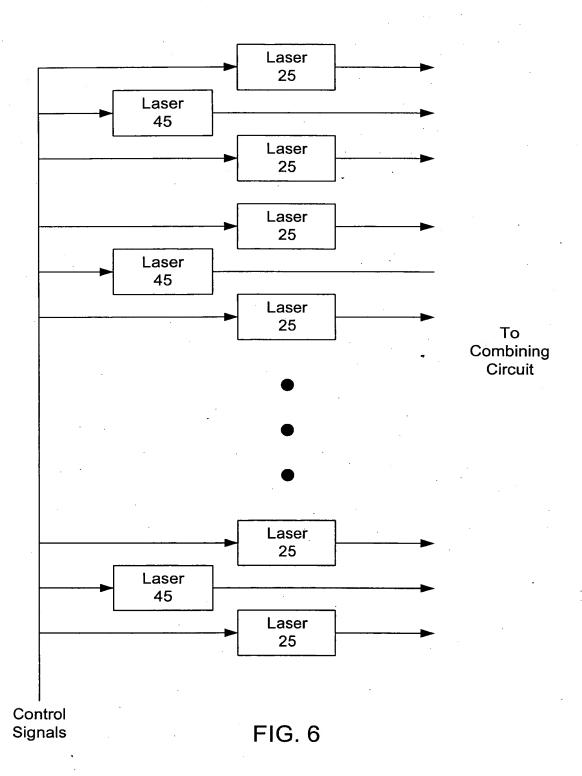


FIG. 5







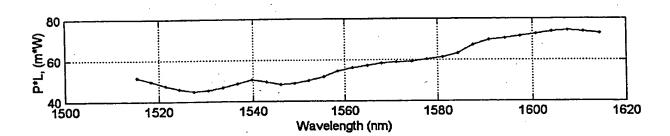


FIG. 7 (a)

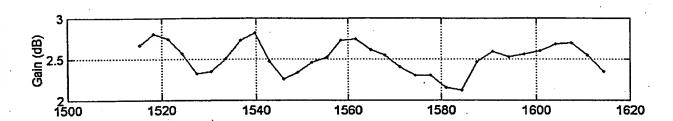
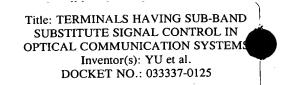


FIG. 7 (b)



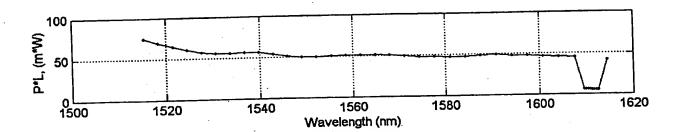


FIG. 8 (a)

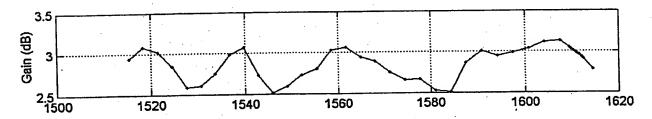


FIG. 8 (b)



Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEMS

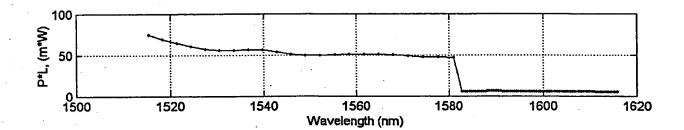


FIG. 9 (a)

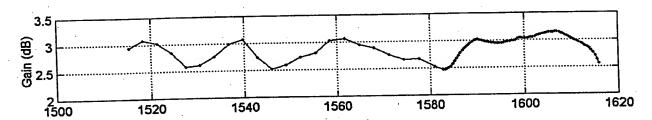


FIG. 9 (b)



Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEMS

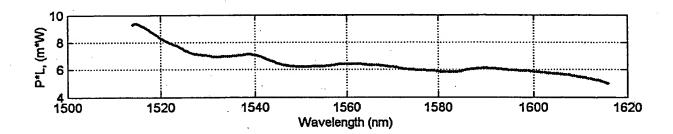


FIG. 10 (a)

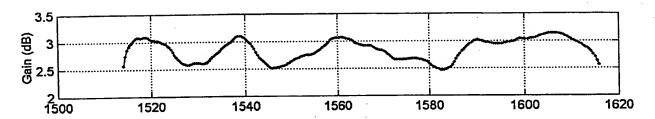


FIG. 10 (b)